

2p 90/135

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L6
L7 1 DUPLICATE REMOVE L6 (2 DUPLICATES REMOVED)

=> d ibib abs

L7 ANSWER 1 OF 1 MEDLINE DUPLICATE 1
ACCESSION NUMBER: 2002660471 MEDLINE
DOCUMENT NUMBER: 22280345 PubMed ID: 12392823
TITLE: **Anxiolytic** effect of **wogonin**, a
benzodiazepine receptor ligand isolated from *Scutellaria
baicalensis* Georgi.
AUTHOR: Hui Kwok Min; Huen Michael S Y; Wang Hong Yan; Zheng Hui;
Sigel Erwin; Baur Roland; Ren Hong; Li Zhi Wang; Wong J
Tze-Fei; Xue Hong
CORPORATE SOURCE: Department of Biochemistry, Hong Kong University of Science
and Technology, Clear Water Bay, Kowloon, Hong Kong, China.
SOURCE: BIOCHEMICAL PHARMACOLOGY, (2002 Nov 1) 64 (9) 1415-24.
Journal code: 0101032. ISSN: 0006-2952.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200211
ENTRY DATE: Entered STN: 20021108
Last Updated on STN: 20021212
Entered Medline: 20021115

AB The search for novel **anxiolytics** devoid of undesirable
side-effects typical of classical benzodiazepines (BDZs) has been intense,
and flavonoids, as a relative new class of ligands, have been shown to
possess **anxiolytic** effects in vivo. The present study evaluated
the pharmacological properties of a naturally occurring monoflavonoid,
5,7-dihydroxy-8-methoxyflavone or **wogonin**. The affinity (K(i))
of **wogonin** for the benzodiazepine site (BZD-S) on the
gamma-aminobutyric acid(A) (GABA(A)) receptor complex was 0.92 microM.
Using electrophysiological techniques, we showed that **wogonin**
enhanced the GABA-activated current in rat dorsal root ganglion neurons,
and in *Xenopus laevis* oocytes expressing recombinant rat GABA(A)
receptors, the enhancement was partially reversed by the co-application of
a 1 microM concentration of the BZD-S antagonist anexate (Ro15-1788).
Acute toxicity and behavioral effects were examined in mice. Acute lethal
activity was low, with an LD(50) of 3.9 g/kg. Oral administration of
wogonin (7.5 to 30 mg/kg) elicited an **anxiolytic**
response that was similar to that elicited by diazepam in the elevated
plus-maze; a dose-dependent increase in open arm entries and time spent in
open arms was observed. More importantly, its **anxiolytic** effect
was blocked by the co-administration of Ro15-1788. In the holeboard test,
not only did **wogonin**-treated mice experience an increased number
of head-dips but they also spent more time at it, showing no signs of
sedation. Furthermore, **wogonin** did not cause myorelaxant effects
in the horizontal wire test. Taken together, these data suggest that
wogonin exerts its **anxiolytic** effect through positive
allosteric modulation of the GABA(A) receptor complex via interaction at
the BZD-S. Its **anxiolytic** effect was not accompanied by sedative
and myorelaxant side-effects typical of BDZs.

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NEWS	3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	4	Apr 09	ZDB will be removed from STN
NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS	26	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	27	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	28	Oct 21	EVENTLINE has been reloaded
NEWS	29	Oct 24	BEILSTEIN adds new search fields
NEWS	30	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	31	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	32	Nov 18	DKILIT has been renamed APOLLIT
NEWS	33	Nov 25	More calculated properties added to REGISTRY
NEWS	34	Dec 02	TIBKAT will be removed from STN
NEWS	35	Dec 04	CSA files on STN

NEWS EXPRESS	October 14	CURRENT WINDOWS VERSION IS V6.01, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS		STN Operating Hours Plus Help Desk Availability
NEWS INTER		General Internet Information
NEWS LOGIN		Welcome Banner and News Items
NEWS PHONE		Direct Dial and Telecommunication Network Access to STN
NEWS WWW		CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 15:28:11 ON 13 DEC 2002

=> file reg	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 15:28:21 ON 13 DEC 2002
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STRUCTURE FILE UPDATES: 12 DEC 2002 HIGHEST RN 476148-76-2
DICTIONARY FILE UPDATES: 12 DEC 2002 HIGHEST RN 476148-76-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

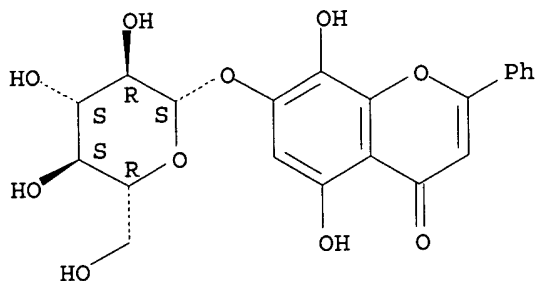
Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STN Note 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s wogonin
L1 18 WOGONIN

=> d 1-18

L1 ANSWER 1 OF 18 REGISTRY COPYRIGHT 2002 ACS
RN 102273-91-6 REGISTRY
CN 4H-1-Benzopyran-4-one, 7-(.beta.-D-glucopyranosyloxy)-5,8-dihydroxy-2-phenyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **Norwogonin-7-O-glucoside**
FS STEREOSEARCH
MF C21 H20 O10
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)

Absolute stereochemistry.

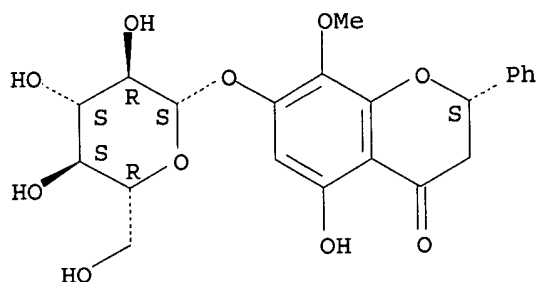


****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

3 REFERENCES IN FILE CA (1962 TO DATE)
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 2 OF 18 REGISTRY COPYRIGHT 2002 ACS
RN 99211-28-6 REGISTRY
CN 4H-1-Benzopyran-4-one, 7-(.beta.-D-glucopyranosyloxy)-2,3-dihydro-5-hydroxy-8-methoxy-2-phenyl-, (2S)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 4H-1-Benzopyran-4-one, 7-(.beta.-D-glucopyranosyloxy)-2,3-dihydro-5-hydroxy-8-methoxy-2-phenyl-, (S)-
OTHER NAMES:
CN **Dihydrowogonin 7-glucoside**
FS STEREOSEARCH
MF C22 H24 O10
SR CA
LC STN Files: AGRICOLA, BIOSIS, CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

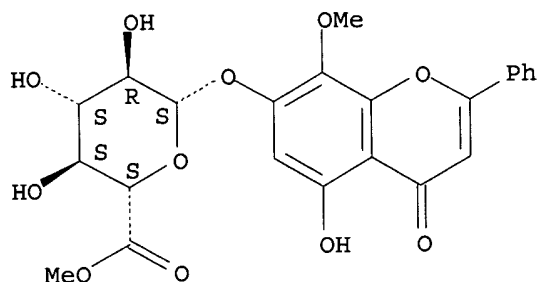


****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

20 REFERENCES IN FILE CA (1962 TO DATE)
20 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 3 OF 18 REGISTRY COPYRIGHT 2002 ACS
RN 82475-01-2 REGISTRY
CN .beta.-D-Glucopyranosiduronic acid, 5-hydroxy-8-methoxy-4-oxo-2-phenyl-4H-1-benzopyran-7-yl, methyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **Wogonin 7-O-.beta.-D-glucuronide methyl ester**
FS STEREOSEARCH
MF C23 H22 O11
LC STN Files: CA, CAPLUS

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

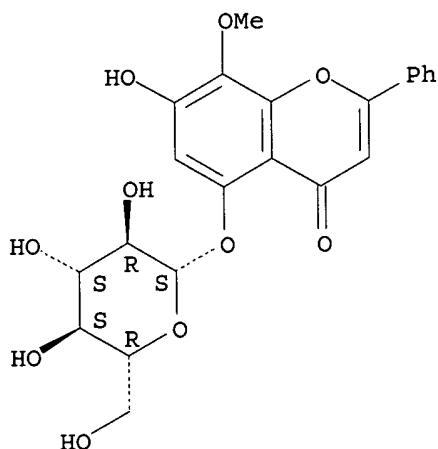
2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 4 OF 18 REGISTRY COPYRIGHT 2002 ACS
RN 80366-14-9 REGISTRY
CN 4H-1-Benzopyran-4-one, 5-(.beta.-D-glucopyranosyloxy)-7-hydroxy-8-methoxy-2-phenyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **Wogonin 5-.beta.-D-glucoside**
CN **Wogonin-5-O-.beta.-D-glucopyranoside**
FS STEREOSEARCH
MF C22 H22 O10
LC STN Files: BIOSIS, CA, CAPLUS, IPA, NAPRALERT

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

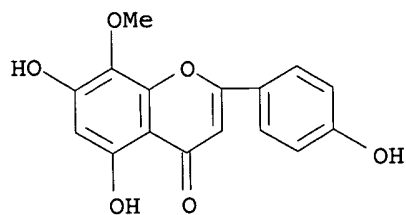
2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 5 OF 18 REGISTRY COPYRIGHT 2002 ACS
RN 57096-02-3 REGISTRY
CN 4H-1-Benzopyran-4-one, 5,7-dihydroxy-2-(4-hydroxyphenyl)-8-methoxy- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 4',5,7-Trihydroxy-8-methoxyflavone
CN **4'-Hydroxywogonin**
CN 5,7,4'-Trihydroxy-8-methoxyflavone
CN 8-Methoxyapigenin
FS 3D CONCORD

MF C16 H12 O6
 LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAPLUS,
 MEDLINE, NAPRALERT, TOXCENTER
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

43 REFERENCES IN FILE CA (1962 TO DATE)
 43 REFERENCES IN FILE CAPLUS (1962 TO DATE)

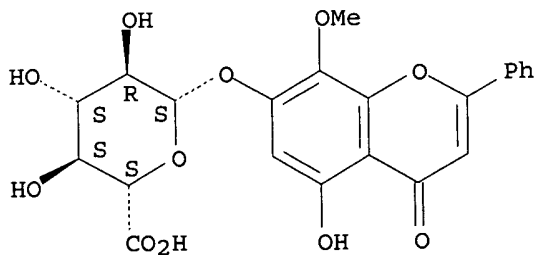
L1 ANSWER 6 OF 18 REGISTRY COPYRIGHT 2002 ACS
 RN 51059-44-0 REGISTRY
 CN .beta.-D-Glucopyranosiduronic acid, 5-hydroxy-8-methoxy-4-oxo-2-phenyl-4H-1-benzopyran-7-yl (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Oroxindin
 CN Wogonin 7-.beta.-D-glucuronide
 CN Wogonin 7-glucuronide
 CN Wogonin 7-O-.beta.-D-glucuronide
 CN Wogonin 7-O-.beta.-D-glucuronopyranoside
 CN Wogonin 7-O-glucuronide
 CN Wogonoside
 FS STEREOSEARCH
 MF C22 H20 O11

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA,
 CAPLUS, DDFU, DRUGU, IPA, NAPRALERT, TOXCENTER
 (*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

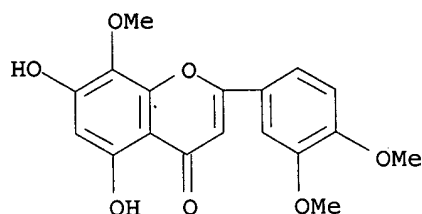
116 REFERENCES IN FILE CA (1962 TO DATE)
 116 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 7 OF 18 REGISTRY COPYRIGHT 2002 ACS
 RN 36810-81-8 REGISTRY
 CN 4H-1-Benzopyran-4-one, 2-(3,4-dimethoxyphenyl)-5,7-dihydroxy-8-methoxy- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 3',4'-Dimethoxywogonin

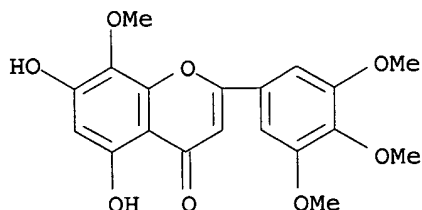
CN 5,7-Dihydroxy-8,3',4'-trimethoxyflavone
 CN Hypolaetin 8,3',4'-trimethyl ether
 FS 3D CONCORD
 MF C18 H16 O7
 LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, NAPRALERT
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

7 REFERENCES IN FILE CA (1962 TO DATE)
 7 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 8 OF 18 REGISTRY COPYRIGHT 2002 ACS
 RN 32348-78-0 REGISTRY
 CN 4H-1-Benzopyran-4-one, 5,7-dihydroxy-8-methoxy-2-(3,4,5-trimethoxyphenyl)-
 (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Flavone, 5,7-dihydroxy-3',4',5',8-tetramethoxy- (8CI)
 OTHER NAMES:
 CN **3',4',5'-Trimethoxywogonin**
 CN 5,7-Dihydroxy-3',4',5',8-tetramethoxyflavone
 FS 3D CONCORD
 MF C19 H18 O8
 LC STN Files: BEILSTEIN*, CA, CAPLUS, NAPRALERT
 (*File contains numerically searchable property data)

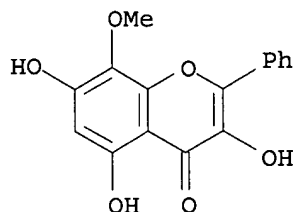


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1962 TO DATE)
 5 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 9 OF 18 REGISTRY COPYRIGHT 2002 ACS
 RN 5928-42-7 REGISTRY
 CN 4H-1-Benzopyran-4-one, 3,5,7-trihydroxy-8-methoxy-2-phenyl- (9CI) (CA
 INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Flavone, 3,5,7-trihydroxy-8-methoxy- (7CI, 8CI)
 OTHER NAMES:
 CN 3,5,7-Trihydroxy-8-methoxyflavone
 CN **3-Hydroxywogonin**
 CN 8-Hydroxygalangin 8-methyl ether

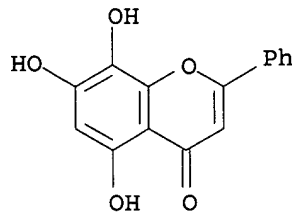
CN 8-Methoxygalangin
 CN 8-O-Methyl-8-hydroxygalangin
 FS 3D CONCORD
 MF C16 H12 O6
 LC STN Files: AGRICOLA, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, NAPRALERT, TOXCENTER
 (*File contains numerically searchable property data)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

13 REFERENCES IN FILE CA (1962 TO DATE)
 13 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 10 OF 18 REGISTRY COPYRIGHT 2002 ACS
 RN 4443-09-8 REGISTRY
 CN 4H-1-Benzopyran-4-one, 5,7,8-trihydroxy-2-phenyl- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Flavone, 5,7,8-trihydroxy- (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN 5,7,8-Trihydroxyflavone
 CN **Norwogonin**
 FS 3D CONCORD
 MF C15 H10 O5
 LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CHEMCATS, CSChem, MEDLINE, NAPRALERT, RTECS*, TOXCENTER
 (*File contains numerically searchable property data)



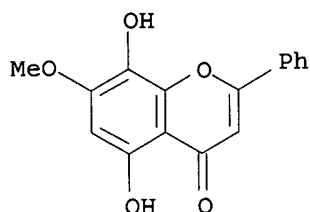
****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

47 REFERENCES IN FILE CA (1962 TO DATE)
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 47 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 11 OF 18 REGISTRY COPYRIGHT 2002 ACS
 RN 4431-47-4 REGISTRY
 CN 4H-1-Benzopyran-4-one, 5,8-dihydroxy-7-methoxy-2-phenyl- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Flavone, 5,8-dihydroxy-7-methoxy- (8CI)

OTHER NAMES:

CN 5,8-Dihydroxy-7-methoxyflavone
 CN **Isowogonin**
 CN Pediflavone
 FS 3D CONCORD
 MF C16 H12 O5
 LC STN Files: AGRICOLA, BEILSTEIN*, CA, CAPLUS, NAPRALERT, RTECS*,
 TOXCENTER
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1962 TO DATE)
 6 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 12 OF 18 REGISTRY COPYRIGHT 2002 ACS

RN 4431-41-8 REGISTRY

CN 4H-1-Benzopyran-4-one, 2,3-dihydro-5,7-dihydroxy-8-methoxy-2-phenyl-,
 (2S)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 4H-1-Benzopyran-4-one, 2,3-dihydro-5,7-dihydroxy-8-methoxy-2-phenyl-, (S)-

CN Flavanone, 5,7-dihydroxy-8-methoxy- (6CI, 7CI, 8CI)

OTHER NAMES:

CN 5,7-Dihydroxy-8-methoxyflavanone

CN **Dihydrowogonin**

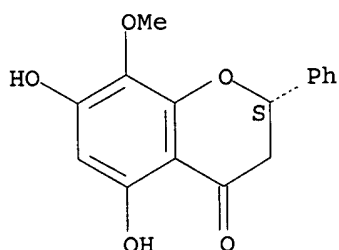
FS STEREOSEARCH

DR 124052-67-1, 64551-85-5, 78527-44-3

MF C16 H14 O5

LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS,
 NAPRALERT
 (*File contains numerically searchable property data)

Absolute stereochemistry.

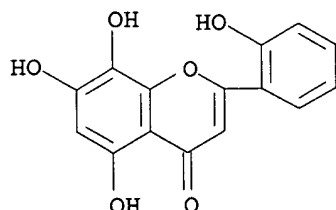


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

23 REFERENCES IN FILE CA (1962 TO DATE)
 23 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 13 OF 18 REGISTRY COPYRIGHT 2002 ACS

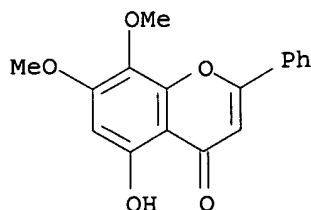
RN 3749-30-2 REGISTRY
 CN 4H-1-Benzopyran-4-one, 5,7,8-trihydroxy-2-(2-hydroxyphenyl)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Flavone, 2',5,7,8-tetrahydroxy- (7CI, 8CI)
 OTHER NAMES:
 CN 2',5,7,8-Tetrahydroxyflavone
 CN **2'-Hydroxynorwogonin**
 FS 3D CONCORD
 MF C15 H10 O6
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, TOXCENTER
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1962 TO DATE)
 5 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 14 OF 18 REGISTRY COPYRIGHT 2002 ACS
 RN 3570-62-5 REGISTRY
 CN 4H-1-Benzopyran-4-one, 5-hydroxy-7,8-dimethoxy-2-phenyl- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Flavone, 5-hydroxy-7,8-dimethoxy- (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN 5-Hydroxy-7,8-dimethoxyflavone
 CN 7,8-Dimethoxy-5-hydroxyflavone
 CN **7,8-Dimethoxynorwogonin**
 CN **7-O-Methylwogonin**
 CN 7-O-Methylwogonine
 CN Moslosooflavone
 FS 3D CONCORD
 MF C17 H14 O5
 LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CHEMINFORMRX, IPA, MEDLINE, NAPRALERT, TOXCENTER
 (*File contains numerically searchable property data)

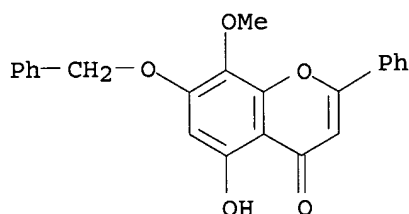


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

44 REFERENCES IN FILE CA (1962 TO DATE)

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44 REFERENCES IN FILE CAPLUS (1962 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

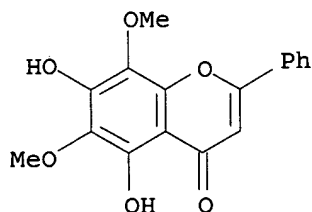
L1 ANSWER 15 OF 18 REGISTRY COPYRIGHT 2002 ACS
RN 3542-64-1 REGISTRY
CN Flavone, 7-(benzyloxy)-5-hydroxy-8-methoxy- (7CI, 8CI) (CA INDEX NAME)
OTHER NAMES:
CN **Wogonin, 7-benzyl-**
FS 3D CONCORD
MF C23 H18 O5
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 16 OF 18 REGISTRY COPYRIGHT 2002 ACS
RN 3162-45-6 REGISTRY
CN 4H-1-Benzopyran-4-one, 5,7-dihydroxy-6,8-dimethoxy-2-phenyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Flavone, 5,7-dihydroxy-6,8-dimethoxy- (7CI, 8CI)
OTHER NAMES:
CN **6-Methoxywogonin**
FS 3D CONCORD
MF C17 H14 O6
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

7 REFERENCES IN FILE CA (1962 TO DATE)
7 REFERENCES IN FILE CAPLUS (1962 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 17 OF 18 REGISTRY COPYRIGHT 2002 ACS
RN 641-55-4 REGISTRY

CN 4H-1-Benzopyran-4-one, 7,8-dihydroxy-5-methoxy-2-phenyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Flavone, 7,8-dihydroxy-5-methoxy- (8CI)

OTHER NAMES:

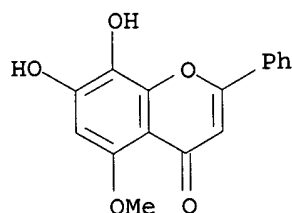
CN Allowogonin

FS 3D CONCORD

MF C16 H12 O5

LC STN Files: BEILSTEIN*

(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L1 ANSWER 18 OF 18 REGISTRY COPYRIGHT 2002 ACS

RN 632-85-9 REGISTRY

CN 4H-1-Benzopyran-4-one, 5,7-dihydroxy-8-methoxy-2-phenyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Flavone, 5,7-dihydroxy-8-methoxy- (7CI, 8CI)

CN Wogonin (6CI)

OTHER NAMES:

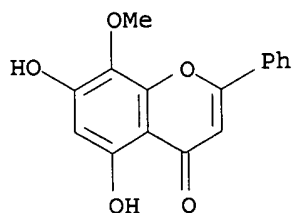
CN 5,7-Dihydroxy-8-methoxyflavone

FS 3D CONCORD

MF C16 H12 O5

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHM, DDFU, DRUGU, EMBASE, IPA, MEDLINE, NAPRALERT, NIOSHTIC, RTECS*, SPECINFO, TOXCENTER, USPATFULL

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281 REFERENCES IN FILE CA (1962 TO DATE)

6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

281 REFERENCES IN FILE CAPLUS (1962 TO DATE)

9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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COST IN U.S. DOLLARS

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FULL ESTIMATED COST	33.96	34.17

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=> s 632-85-9
L2 290 632-85-9

=> s wogonin
L3 315 WOGONIN

=> d l2 and anxiety
'AND' IS NOT A VALID FORMAT
'ANXIETY' IS NOT A VALID FORMAT
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individual files.
REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):ibib abs

L2 ANSWER 1 OF 290 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2002:657438 CAPLUS
DOCUMENT NUMBER: 137:304213
TITLE: Quantitation of the flavonoid wogonin and its major
metabolite wogonin-7.beta.-D-glucuronide in rat plasma
by liquid chromatography-tandem mass spectrometry
AUTHOR(S): Chen, Xiaoyan; Wang, Hongyan; Du, Yue; Zhong, Dafang
CORPORATE SOURCE: Laboratory of Drug Metabolism and Pharmacokinetics,
Shenyang Pharmaceutical University, Shenyang, 110016,
Peop. Rep. China
SOURCE: Journal of Chromatography, B: Analytical Technologies
in the Biomedical and Life Sciences (2002), 775(2),
169-178
CODEN: JCBAAI; ISSN: 1570-0232
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB This study described the application of liq. chromatog.-tandem mass
spectrometry for the quantitation of wogonin and its major metabolite in
rat plasma. Only one conjugated metabolite with glucuronic acid was
identified by chromatog. and electrospray multi-stage mass spectrometric
assay. A derivatization reaction with 2-chlorethanol further demonstrated
that the metabolite was wogonin-7.beta.-D-glucuronide (W-7-G), not
wogonin-5.beta.-D-glucuronide. Other conjugated metabolites, e.g.,
sulfates and glucosides, were not detected. The plasma concn. of free
wogonin was detd. using atm. pressure chem. ionization source in the
selected reaction monitoring mode. The method had a lower limit of
quantitation of 0.25 ng/mL for wogonin, which offered increased
sensitivity, selectivity and speed of anal. over an existing method.
Incubation of the plasma samples with .beta.-glucuronidase allows the
quantitation of W-7-G. This quantitation method was successfully applied
to a preclin. pharmacokinetic study of wogonin and its major metabolite,
W-7-G, after an oral administration of 5 mg/kg wogonin to rats.

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d ibib abs l2 285-290

'ABS' IS NOT A VALID FORMAT

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L2 ANSWER 285 OF 290 CAOLD COPYRIGHT 2002 ACS

ACCESSION NUMBER: CA59:5121d CAOLD

TITLE: Wessely-Moser rearrangement-synthesis of oroxylin A

AUTHOR NAME: Molho, Darius; Gerphagnon, M. C.

L2 ANSWER 286 OF 290 CAOLD COPYRIGHT 2002 ACS

ACCESSION NUMBER: CA54:21488e CAOLD

TITLE: constituents of Japanese and Chinese crude drugs - (III)
antispasmodic action of flavonoids and anthraquinones

AUTHOR NAME: Shibata, Shoji; Harada, M.; Budidarmo, W.

L2 ANSWER 287 OF 290 CAOLD COPYRIGHT 2002 ACS

ACCESSION NUMBER: CA54:8797g CAOLD

TITLE: formylation of polyhydroxylflavones and chromones

AUTHOR NAME: Murti, V. V. S.; Seshadri, T. R.; Sundaresan, V.;
Venkataramani, B.

L2 ANSWER 288 OF 290 CAOLD COPYRIGHT 2002 ACS

ACCESSION NUMBER: CA53:14094a CAOLD

TITLE: paper chromatography of natural derivs. of .alpha. and
.gamma. benzopyron and tanning substances

AUTHOR NAME: Nikonov, G. K.

L2 ANSWER 289 OF 290 CAOLD COPYRIGHT 2002 ACS

ACCESSION NUMBER: CA51:9008d CAOLD

TITLE: pharmacol. study of flavone derivs. - (I) capillary
stabilizing effect

AUTHOR NAME: Okanishi, Tameto; Shimaoka, A.

L2 ANSWER 290 OF 290 CAOLD COPYRIGHT 2002 ACS

ACCESSION NUMBER: CA51:8081f CAOLD

TITLE: protecting groups in the synthesis of flavones

AUTHOR NAME: Simpson, T. H.

=> s l3 and anxiety

L4 0 L3 AND ANXIETY

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
22.23	56.40

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.62	-0.62

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